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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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|-----------------|-------------|----------------------|---------------------|------------------|

10/665,799

09/18/2003

Bruce M. Russell

IR 6320-00

6143

23909 7590 10/24/2007
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| EXAMINER |
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GUIDOTTI, LAURA COLE

| | |
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| ART UNIT | PAPER NUMBER |
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3723

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|-----------|---------------|
| MAIL DATE | DELIVERY MODE |
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10/24/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|---|--------------------------------------|--|--|
| Examiner-Initiated Interview Summary | Application No. 10/665,799 | Applicant(s) RUSSELL, BRUCE M. | |
| | Examiner Laura C. Guidotti | Art Unit 3723 | |

All Participants:

(1) Laura C. Guidotti.

(2) Michael Wallace.
Status of Application: Final

(3) _____.

(4) _____.

Date of Interview: 22 October 2007
Time: 5:45 pm
Type of Interview:

- ☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☒ No

If Yes, provide a brief description:

Part I.
Rejection(s) discussed:

n/a

Claims discussed:

n/a

Prior art documents discussed:

"Attachmant A" (taken from Ivory, US 5,836,036)

Part II.
SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:

Examiner left a telephonic voicemail message for Mr. Wallace indicating that "Attachment A" was inadvertently not mailed with the Final Rejection mailed on 22 October 2007. "Attachment A" is presently attached to the Interview Summary.

Part III.

- ☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

Laura C. Guidotti
(Examiner/SPE Signature)

(Applicant/Applicant's Representative Signature – if appropriate)



US005836036A

United States Patent [19][11] **Patent Number:** **5,836,036****Ivory**[45] **Date of Patent:** **Nov. 17, 1998**[54] **SELF CLEANING TOOTHBRUSH**

| | | | |
|-----------|---------|----------|----------|
| 2,676,350 | 4/1954 | Bressler | 15/167.1 |
| 2,730,747 | 1/1956 | Bressler | 15/201 |
| 4,423,531 | 1/1984 | Wall | 15/201 |
| 5,201,092 | 4/1993 | Colson | 15/167.1 |
| 5,269,038 | 12/1993 | Bradley | 15/167.1 |

[76] **Inventor:** **Brian Ivory**, 38 S. Meridian Rd.,
Youngstown, Ohio 44509[21] **Appl. No.:** **880,139****FOREIGN PATENT DOCUMENTS**[22] **Filed:** **Jun. 20, 1997**

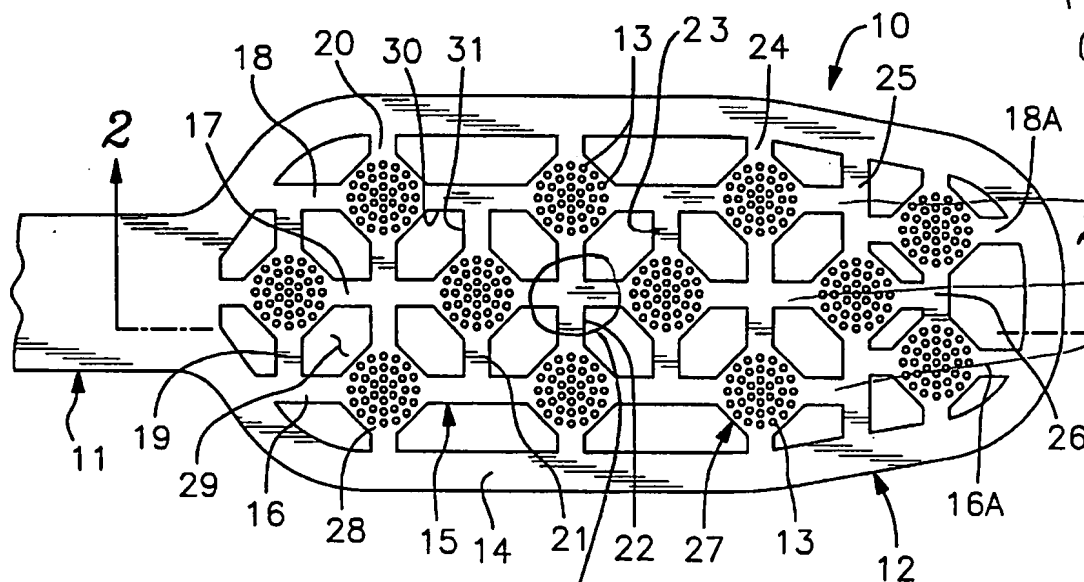
| | | | |
|---------|---------|---------|----------|
| 810389 | 8/1951 | Germany | 15/160 |
| 9217093 | 10/1992 | WIPO | 15/167.1 |

[51] **Int. Cl.⁶** **A46B 9/04**[52] **U.S. Cl.** **15/167.1; 15/205.2**[58] **Field of Search** **15/171, 167.1,**
15/201, 159.1, 160, 205.2**Primary Examiner**—Randall E. Chin**Attorney, Agent, or Firm**—Harpman & Harpman[57] **ABSTRACT**

A toothbrush that provides for improved cleaning after use by enhanced flow through the design. Brush bristles are positioned in spaced groups which are surrounded by open flow through areas that allows for a low surface area to opening ratio to ensure that each bristle group is thoroughly flushed with water during cleaning to dislodge used toothpaste.

[56] **References Cited****U.S. PATENT DOCUMENTS**

| | | | |
|------------|--------|----------|----------|
| D. 33,070 | 8/1900 | Hamilton | 15/159.1 |
| D. 282,318 | 1/1986 | Herzfeld | |
| 300,422 | 9/1884 | White | |
| 2,172,624 | 9/1939 | Romani | 15/167.1 |
| 2,438,268 | 3/1948 | Bressler | |
| 2,582,552 | 1/1952 | Marco | 15/171 |
| 2,628,377 | 2/1953 | Cockriel | 15/167.1 |

9 Claims, 2 Drawing Sheets

"19-26"
are transverse
support members

"16-18"
are
lateral
support
members

example of one
region where
a transverse support
member + lateral support
member form
substantially right
angles